

INDEX TO VOLUME 63

New scientific names and combinations are printed in bold face type

- Abies balsamea* 65, 288 *
Acalypha virginica 288
Acer pensylvanicum 66, 68, 288;
pseudoplatanus 150; *rubrum*
 65, 66, 67, 68, 69, 284, 288;
saccharum 65, 295; *spicatum*
 66, 288, 295
Achillea lanulosa 125, 129
Actinastrium (? *hantzchii*) 278
 Adams, P. and Godfrey, R. K.,
 Observations on the *Sagittaria*
subulata Complex 247
 Adams, W. P. and Robson, N. K.
 B., A Re-evaluation of the
 Generic Status of *Ascyrum*
 and *Crookea* (*Guttiferae*) 10
Adiantum alarconianum 87; *bra-*
siliense 71; *concinnum* 87;
curvatum 71; *Henslovianum*
 87; *humile* 70, 71; *Killipii* 71;
lobatum 71, 72, Plate 1255;
Poiretii var. *hirsutum* 87;
terminatum 70
Adlumia fungosa 47, 52, 288
Aegilops cylindrica 130
Aeschynomene elegans 18
Aegopogon cenchroides 343
Ageratum corymbosum 122, 126
Agrimonia gryposepala 43
Agropyron dasystachyum 132;
repens 130, 131; *smithii* 130,
 131; var. *molle* 131, 132; var.
smithii 130; *palustris* 137
 Albino Fruited Form of *Gaul-*
theria procumbens, An 346
Aletris farinosa 304, 305; *lutea*
 304, 305, 306; f. *albiflora* 305;
obovata 305, 306; *Aletris* x
Tottenii 306, 307
Alisma triviale 288
Alliaria officinalis 47, 55
Allium ampeloprasum 310; var.
atroviolaceum 310; *mutabile*
 20
Alnus rugosa 66, 297; var. *amer-*
icana 297, 298, 299, 300, 302,
 303; var. *rugosa* 297, 298, 302,
 303; *serrulata* 297, 298, 300,
 302, 303; f. *emarginata* 303; f.
nanella 303; var. f. *subelliptica*
 297, 302, 303
Althaea officinalis 43
Alyssum Alyssoides 47, 54; *sax-*
atile 47, 55
Amaranthus powellii 180; *retro-*
flexus 288
Ambrosia artemisiifolia var. *ela-*
tior 289
Amelanchier laevis 66
Amsinckia lunaris 230; *retrorsa*
 44
Anabaena 281
 Andrews, H., Two New Orchid
 Records for Ontario 175
Andropogon scoparius 132; *vir-*
ginicus 132
Ankistrodesmus 277
Anonymos pudica 36, 37, 38; var.
nitida 37
Aphanochaete repens 276
Aphanothece castagnei 280
Apocynum androsaemifolium 44;
medium 44; *sibericum* 44
Arabidopsis Thaliana 48, 54
Arabis canadensis 47, 52, 348;
divaricarpa 47, 53; *Drummon-*
dii 47, 52, *glabra* 48, 52; *hir-*
suta var. *pyncocarpa* 48, 52;
laevigata 48, 53, 146; *lyrata*
 48, 53; *missouriensis* 48, 53;
procurrens 48, 55
Arctium lappa 45; *tomentosum*
 45, 289
Argemone alba 47, 55; *mexicana*
 47, 55
Arisaema atrorubens 295; *pusilla*
 20
Aristolochia nashii 20

INDEX TO VOLUME 63

New scientific names and combinations are printed in bold face type

- Abies balsamea* 65, 288 *
Acalypha virginica 288
Acer pensylvanicum 66, 68, 288;
pseudoplatanus 150; *rubrum*
 65, 66, 67, 68, 69, 284, 288;
saccharum 65, 295; *spicatum*
 66, 288, 295
Achillea lanulosa 125, 129
Actinastrium (? *hantzchii*) 278
 Adams, P. and Godfrey, R. K.,
 Observations on the *Sagittaria*
subulata Complex 247
 Adams, W. P. and Robson, N. K.
 B., A Re-evaluation of the
 Generic Status of *Ascyrum*
 and *Crookea* (*Guttiferae*) 10
Adiantum alarconianum 87; *bra-*
siliense 71; *concinnum* 87;
curvatum 71; *Henslovianum*
 87; *humile* 70, 71; *Killipii* 71;
lobatum 71, 72, Plate 1255;
Poiretii var. *hirsutum* 87;
terminatum 70
Adlumia fungosa 47, 52, 288
Aegilops cylindrica 130
Aeschynomene elegans 18
Aegopogon cenchroides 343
Ageratum corymbosum 122, 126
Agrimonia gryposepala 43
Agropyron dasystachyum 132;
repens 130, 131; *smithii* 130,
 131; var. *molle* 131, 132; var.
smithii 130; *palustris* 137
 Albino Fruited Form of *Gaul-*
theria procumbens, An 346
Aletris farinosa 304, 305; *lutea*
 304, 305, 306; f. *albiflora* 305;
obovata 305, 306; *Aletris* x
Tottenii 306, 307
Alisma triviale 288
Alliaria officinalis 47, 55
Allium ampeloprasum 310; var.
atroviolaceum 310; *mutabile*
 20
Alnus rugosa 66, 297; var. *amer-*
icana 297, 298, 299, 300, 302,
 303; var. *rugosa* 297, 298, 302,
 303; *serrulata* 297, 298, 300,
 302, 303; f. *emarginata* 303; f.
nanella 303; var. f. *subelliptica*
 297, 302, 303
Althaea officinalis 43
Alyssum Alyssoides 47, 54; *sax-*
atile 47, 55
Amaranthus powellii 180; *retro-*
flexus 288
Ambrosia artemisiifolia var. *ela-*
tior 289
Amelanchier laevis 66
Amsinckia lunaris 230; *retrorsa*
 44
Anabaena 281
 Andrews, H., Two New Orchid
 Records for Ontario 175
Andropogon scoparius 132; *vir-*
ginicus 132
Ankistrodesmus 277
Anonymos pudica 36, 37, 38; var.
nitida 37
Aphanochaete repens 276
Aphanothece castagnei 280
Apocynum androsaemifolium 44;
medium 44; *sibericum* 44
Arabidopsis Thaliana 48, 54
Arabis canadensis 47, 52, 348;
divaricarpa 47, 53; *Drummon-*
dii 47, 52, *glabra* 48, 52; *hir-*
suta var. *pyncocarpa* 48, 52;
laevigata 48, 53, 146; *lyrata*
 48, 53; *missouriensis* 48, 53;
procurrens 48, 55
Arctium lappa 45; *tomentosum*
 45, 289
Argemone alba 47, 55; *mexicana*
 47, 55
Arisaema atrorubens 295; *pusilla*
 20
Aristolochia nashii 20

- Armoracia aquatica* 48, 53;
lapathifolia 48, 54
Arrhenatherum elatius 132
Artemisia cana 41
Arthrodesmus 279
Asarum canadense 295; *virginicum* 206
Asclepias lanuginosa 44; *sullivantii* 44
Ascyrum and *Crookea* (Guttiferae), A Re-evaluation of the Generic Status of 10
Ascyrum edisonianum 15; *Hypericoides* 15; *microsepalum* 14, 15; *multicaule* 13, 15; *pumilum* 12, 13, 15; *spathulatum* 15; *stans* 13, 15; *tetrapetalum* 13, 15
Aspidium funestum 34; *invisum* 34
Asplenium bradleyi 20; *montanum* 46
Aster Chasei 20; *exilis* 342; *laevis* 331; var. *laevis* 331; var. *Geyeri* 331; *subulatus* var. *australis* 342, 344; *turbinellus* 146
Astilbe japonica 50, 55
Astragalus thompsoniae 180
Astranthium guatemalense 122, 126; *integrifolium* 122; *mexicanum* 122, 126; *purpurascens* 126; *xanthocomoides* 122, 126
Atriplex glabriuscula 42; *patula* var. *hastata* 288
Avena fatua 132
Baccharis glutinosa 342
Bahia absinthifolia 128; *xylopo-da* 123, 128
Baileya pleniradiata 128
Baker, H. G., *Heterostyly* and *Homostyly* in *Lithospermum canescens* (Boraginaceae) 229
Baldwin, H. I., Further Notes on *Chamaecyparis* in New Hampshire 281
Barbarea orthoceras 48, 52; *verna* 48, 54; *vulgaris* 48, 54;
var. *arcuata* 48, 54; var. *brachycarpa* 48, 55
Barnes, B. V., Hybrid Aspens in the Lower Peninsula of Michigan 311
Batrachospermum vagum 281
Bauhinia rufa 18
Beaman, J. H., Vascular Plants on the Cinder Cone of Parícutin Volcano in 1960 340
Beaman, J. H., Rock, H. F. L., and Turner, B. L., Chromosome Numbers in the Compositae. V. Mexican and Guatemalan Species 121
Bean, R. C., Hill, A. F., and Eaton, R. J., Corrections in Reports of the Committee on Plant Distribution 348; Fourteenth Report of the Committee on Plant Distribution 47
Bellis perennis 45
Berteroa incana 48, 54; *mutabilis* 48, 55
Betula lenta 65, 67, 68; *lutea* 65, 67, 68, 69, 288; *papyrifera* 65, 68; var. *commutata* 348; *populifolia* 65; *pumila* var. *glandulifera* 42; *X Betula sandbergii* 42
Bidens angustissima 122; var. *linifolia* 124, 127; *anthemoides* 123, 127; *connata* var. *gracilipes* 145; 289; *frondosa* 289
Bidens connata var. *gracilipes* Fern. in Western Michigan 145
Bifora americana 328, 330
Binuclearia tatrana 276
Botanical Atlas of the Danish Flora, A (Review) 349
Botrychium dissectum 164, 165, Plate 1260, 168, 169, Plate 1261, 171, 172, 173, 174; *f. dissectum* 165; *f. obliquum* 165; *lunaria* 40; *multifidum* 164, 165, 168, 172; *obliquum* 165; *oneidense* 164, 165, Plate

- 1259, 168, 169, Plate 1261, 171, 172, 173, 174; *ternatum* 164, 165, 168, 172; *virginianum* 295
Brachyelytrum erectum 132
Brassica cheiranthos 345, 346; *erucastrum* 345; *hirta* 48, 54; *junceae* 48, 54; var. *crispifolia* 48, 55; *Kaber* var. *pinnatifida* 48, 54; var. *Schkuhriana* 48, 54; *monensis* 346; *Napus* 48, 54; *nigra* 48, 54; *oleracea* 48, 54; *Rapa* 48, 54
Braya humilis var. *leiocarpa* 48, 53
Brazilian Leguminosae, Chromosome Numbers of Some 16
Brickellia grandiflora 331
Bromus brizaeformis 41; *commutatus* 133; *inermis* 133; *japonicus* 133; *latiglumis* 133; *marginatus* 40; *nottowayanus* 21; *racemosus* 133; *secalinus* 133; *squarrosus* 134
Browne, E. T. Jr., Some New or Otherwise Interesting Reports of Liliaceae from the Southeastern States 304
Buddleia cordata 343
Bulbochaete scrobiculata 276
Burk, C. J., Environmental Variation in *Heterotheca subaxillaris* 243

Caesalpinia ferrea 18; *spinosa* 18
Cakile edentula 48, 53, 288
Calamagrostis mcvaughii 341, 344; *pringlei* 341
Calla palustris 42
Calochortus pudica 42
Calothrix epiphytica 281
Camelina microcarpa 48, 54; *sativa* 48, 54
Campanular Persistence 29
Campanula divaricata 29
Campsis radicans 289
Camptosema tomentosum 17, 18
Capsella Bursa-pastoris 48, 54; var. *bifida* 48, 55; *rubella* 48, 55
Carragana arborescens 43
Cardamine bellidifolia 48, 52; *bulbosa* 48, 53; *Douglassii* 48, 53; *flexuosa* 48, 53; *hirsuta* 48, 55; *impatiens* 48, 55; *Longii* 48, 53; *parviflora* var. *arenicola* 48, 52; *pennsylvanica* 48, 51; var. *Brittoniana* 48, 52; *pratensis* 48, 54; *f. plena* 48; var. *palustris* 48, 53
Cardaria Draba 48, 55
Carex aenea 41; *atherodes* 20; *austrina* 20; *caroliniana* 20; *debilis* 20; *decomposita* 20; *digitalis* 20; *emmonsii* 21; *foenea* 41; *garberi* 41; *haleana* 41; *hallii* 41; *molesta* 41; *oxylepis* 20; *parryana* 41; *peckii* 41; *physorhyncha* 20; *prairea* 41; *richardsonii* 41; *squarrosa* 146; *stipata* var. *oklahomensis* 146; *striatula* 20; *styloflexa* 20; *substricta* 42; *swanii* 20; *texensis* 20; *torreyi* 42; *torta* 20
Carpinus caroliniana 65
Carya illinoensis 296; *illinoensis* 296; *tomentosa* 348
Castanea dentata 65
Centaurea maculosa 45
Centrosema coriaceum 17, 18, 19
Cephalanthus occidentalis 30
Cerastium arvense 43; *scopulorum* 43; *vulgatum* 43
Chaetopappa belliioides 127
Chaetosphaeridium globosum 276
Chamaecyparis thuyoides 65, 67, 69, 281
Chamaedaphne calyculata 284
Champlin, R. L., A Fern New to Rhode Island 46
Characium ambiguum 277; *naegeli* 277; *stipitatum* 277
Check List of Walter Deane's Seedling Collection, A 287

- Cheilanthes* "fractifera" 74; marginata 75; notholaenoides 87; Orbignyana Plate 1255, 74, 75; Poeppigiana 75; rufopunctata 75; Saundersii 74
Chelidonium majus 47, 54
Chenopodium album 288
 Chicago Region. II. Notes on the Grass Flora of 130
Chloris petraea 177
Chorispera tenella 43, 48, 55
 Chromosome Numbers in the Compositae. V. Mexican and Guatemalan Species 121
 Chromosome Numbers of Some Brazilian Leguminosae 16
 Chromosomes of *Podophyllum peltatum*, The 267
Chrysanthemum humile 157; leucanthemum var. pinnatifidum 149
Chrysosplenium americanum 50, 52
Cimicifuga cordifolia 21
Cinna arundinacea 136; latifolia 136
Circaea alpina 289
Cleome serrulata 47, 55; spinosa 47, 55
Clósterium 278
Cnemidaria grandifolia 32
Coelastrum cambricum 277; microporum 277; sphaericum 277
Coleochaete scutata 276
Coleosphaerium collinsii 280
Commelina, A Variegated Foliage Form of 88
Commelina communis var. ludens 88; f. aureostriata 89
Conringia orientalis 48, 54
 Contemporary Notes on Powell's Expeditions in the West (Review) 179
Conyza canadensis 342, 344; cononopifolia 342, 344
Cooperia Drummondii 216; Jonesii 216; Traubii 216
Copaifera langsdorfii 18
Coreopsis rosea 236
Cornus florida 66, 67, 146
Coronopus didymus 48, 55; procumbens 48, 55
 Corrections in Reports of the Committee on Plant Distribution 348
Corydalis aurea 47, 53; flavula 47, 53; sempervirens 47, 52
Cosmarium 278, 279
Cosmos diversifolius 127
 Costa Rica, The Genus *Oleandra* of 335; The Genus *Pteris* of 194
Costaricia Werckleana 75, 76, Plate 1256, 78
Crataegus collina 20
Crookea (Guttiferae), A Re-evaluation of the Generic Status of *Ascyrum* and 10
Crookea microsepala 15
Crofalaria stipularia 18; striata 18
Cryptantha macounii 44
Ctenitis excelsa 34; protensa 34; var. funesta 34
Cuscuta glomerata 44
Cyathea caribaea 32; grandifolia 32; hodgeana 31; imrayana var. caribaea 32
Cylindrocapsa gaminella var. minor 276
Cylindrocystis americana 278; brebissonii 278
Cyperus grayioides 20
Cystopteris Baenitzii 181; bulbifera 185, 192; dickieana 40, 181, 187; Dickieana 182; fragilis 181, 182, 183, 185, 189; var. fragilis 186, 192; var. laurentiana 186, 188, 192; var. mackayii 186, 188, 192; var. protrusa 186, 188, 192; var. simulans 186, 192; var. tennesseensis 186, 192; montana 185, 192
 Danish Flora, A Botanical Atlas

- of the (Review) 349
Danthonia spicata 41
 Daoud, H. S. and Wilbur, R. L.,
 The Genus *Lechea* (Cistaceae)
 in the Southeastern United
 States 103
Datura stramonium 149
Daucus carota 149
 Davidson, P. E. and Davidson,
 R. A., Variance in Herbarium
 Specimen Identification and
 Other Considerations Based
 Upon the Preparation of a
 Local Flora 207
 Deane's Seedling Collection, A
 Check List of Walter 287
 Decade of Botanizing in Illinois,
 A 19
Delphinium ajacis 43
Dennstaedtia ampla 76; *arbores-*
cens 78, 80; *distenta* 78; *di-*
varicata 78; *Elmeri* 76; *erosa*
 78; *glabrata* 76; *grandifrons*
 78; *Munchii* 78; *obtusifolia* 78,
 80; *Orbignyana* 80; *punctilo-*
bula 149; *scabra* 76; *vagans*
 80
Dentaria anomala 49, 53, 54; *di-*
phylla 49, 52; *incisifolia* 49,
 53; *laciniata* 49, 53; *maxima*
 49, 53
Descurainia pinnata var. *bra-*
chycarpa 49, 53, 54; *Richard-*
sonii 49, 53, 54; *Sophia* 49, 54
Desmidium 279
Deutzia scabra 50, 54
Diatoma anceps 280
Dicentra canadensis 47, 53; *Cu-*
cellaria 47, 52, 295; *eximia* 47,
 55; *formosa* 47, 55; *spectabilis*
 47, 55
Dicliptera brachiata 20
Dicranoglossum desvauxii 35
Dictyosphaerium pulchellum 277
Digitaria sanguinalis 341, 344
Dimorphococcus lunatus 277
Diodia teres 226
Diplachne fascicularis 134, 136
Diplotaxis muralis 49, 55, 346;
tenuifolia 49, 55
 Disjunct Community of Chestnut
 Oak in Mississippi, A 324
Draba Allenii 49; *aprica* 223,
 224, 225; *arabisans* 49, 53;
brachycarpa 224, 225; var.
fastigiata 224; β *fastigiata*
 223; *cuneifolia* 20; *glabella* 49,
 53; *lanceolata* 49, 53; *reptans*
 49, 53; *verna* 49, 54; var.
Boerhaavii 49, 54
Draba aprica in Oklahoma 223
Draparnaldia glomerata 276
Drosera filiformis 50, 53; inter-
 media 50, 52; *linearis* 50, 53,
 54; *rotundifolia* 50, 52; var.
comosa 50, 53, 54
Dryopteris excelsa 35; *Phegop-*
teris 295; *thelypteris* var.
pubescens 149
Dugesia mexicana 123, 127
Dyssodia pinnata 123, 124, 128
 Eaton, R. J., A Check List of
 Walter Deane's Seedling Col-
 lection 287
 Eaton, R. J., Bean, R. C. and
 Hill, A. F., Corrections in Re-
 ports of the Committee on
 Plant Distribution 348; Four-
 teenth Report of the Commit-
 tee on Plant Distribution 47
Echinochloa walteri 134
 Ecological Interpretation of
 Rhododendron Colonies in
 Maine and New Hampshire,
 An 61
Elaeagnus angustifolia 44
Eleocharis parvula 41
Eleusine indica 134
Elodea nuttallii 40
Elymus villosus f. *arkansanus*
 134; f. *villosus* 134
 Environmental Variation in *Het-*
erotheca subaxillaris 243
Epigaea repens var. *glabrifolia*
 66

- Equisetum hyemale* var. *affine* 341; *sylvaticum* 40; *variegatum* 40; var. *nelsonii* 40
Eragrostis capillaris 134; *curvula* 148; *diffusa* 41; *perplexa* 41; *hypnoides* 137; *poaeoides* 134; *reptans* 137
Eragrostis curvula from Illinois 148
Eremosphaeria viridis 277
Erigeron exilis 342; *pubescens* 122, 127; *scaposus* 122, 127; *tenuis* 147
Eriophorum angustifolium 41; *viridicarinaratum* 41
Eruca sativa 49, 55
Erucastrum gallicum 49, 55; *obtusangulum* 345
Erysimum cheiranthoides 49, 54; *inconspicuum* 49, 53, 54; *pannonicum* 49, 55; *repandum* 49, 55
Erythronium americanum 38, 146; *carolinianum* 38, 39
Eschatogramme desvauxii 35
Eschscholtzia californica 47, 55
Euastrum 278
Euglena polymorpha 280
Eunotia robusta var. *diadema* 280; var. *tetrodon* 280
Eupatorium fistulosum 20; *glabratum* 121, 122, 126; *pazcuarense* 121, 126, 342, 344; *pruriellaeifolium* 121, 122, 126; *scorodonioides* 121, 126
Euphorbia dentata 212; *heterophylla* 212; *polygonifolia* 288
Evidence for the Hybrid Origin of *Scirpus peckii* 237
Ewan, J., Contemporary Notes on Powell's Expeditions in the West (Review) 179

Fagus grandifolia 65, 67, 68
Fern New to Rhode Island, A 46
Festuca rubra 135
Florida, Omissions in Key to *Xyris* in 205
Fourteenth Report of the Committee on Plant Distribution 47
Fragilaria (? *capucina*) 280
Fraxinus americana 65, 288, 295; *nigra* 65, 68, 289
Fumaria officinalis 47, 54
Further Notes on *Chamaecyparis thuyoides* in New Hampshire 281
Galactia martii 17, 18
Galinsoga parviflora 45
Galium labradoricum 45; *triflorum* 289; *virgatum* 20
Gaultheria odorata 342, 343, 344; *procumbens* 346; f. *leucocarpa* 347
Gaura filipes 20
Genus *Lechea* (Cistaceae) in the Southeastern United States, The 103
Genus *Oleandra* of Costa Rica, The 335
Genus *Pteris* of Costa Rica, The 194
Gerardia fasciculata 20
Geum rivale 43; *urbanum* 288
Gillenia stipulacea 146
Gisekia pharnacioides, A New Weed 226
Glassman, S. F., Notes on the Grass Flora of the Chicago Region. II 130
Glaucium flavum 47, 55
Glaucocystis nostochinearum 280; *oocystiformis* 280
Gloeotrichia echinulata 281
Glyceria arkansana 24; *grandis* 135; *pallida* 20; *septentrionalis* var. *arkansana* 24
Gnaphalium americanum 342, 344; *attenuatum* 343; *semiamplexicaule* 342
Godfrey, R. K. and Adams, P., Observations on the *Sagittaria subulata* Complex 247
Godfrey, R. K., *Gisekia pharnacioides*, A New Weed 226

- Golenkinia paucipina 277
 Gomphonema acuminatum var. coronatum 280; constrictum 280; dichotomum 280; geminatum 280
 Gonatozygon aculeatum 278; brebissonii 278
 Gonium sociale 276
 Gonolobus gonocarpos 147
 Grammitis anfractuosa 35; cultrata 35; jubaeformis 35; knowltoniorum 35; mollissima 35; pendula 35; sericeolanata 35; serricula 35; taxifolia 35; tenuicola 35
 Grindelia coronopifolia 156; oxylepis 122; var. eligulata 127; gymnospermoides 158
 Guatemalan Species, Chromosome Numbers in the Compositae. V. Mexican and 121
 Guenthera vistosa 152, 155, 158
 Gutierrezia Alamani 152, 158; glutinosa 124, 127; gymnospermoides 152, 158; Wrightii 152, 160
 Gymnosporangium biseptatum 284
 Gymnozyga moniliformis 279; var. gracilescens 279
 Habranthus texanus 216
 Hackelia americana 44; virginiana 44
 Hagenah, D. J., Spore Studies in the Genus Cystopteris. I. The Distribution of Cystopteris with Non-spiny Spores in North America 181
 Hammamelis virginiana 51, 52, 66, 68, 288; var. parviflora 51
 Hapalosiphon hibernicus 281
 Haplopappus lanceolatus 179; rhizomatus 177
 Harley, W. J., A Second Station for Stewartia ovata on the Coastal Plain 206
 Harms, V. L., Poindexter, J. D. and McGregor, R. L., New Plant Records from Kansas 146
 Hedyotis arenaria 221; asperuloides f. brandegeana 221; australis 222; brevipes 221; callitrichoides 222; capillipes 222; drymarioides 221; exigula 221; gracilenta 222; gracilis 221; Greenei 222; longipes 222; nigricans 330; f. salina 222; ovata 222; palmeri 222; parvula 222; peninsularis 222; pringlei 222; prostrata 222; saxatilis 222; sinaloae 222; umbratilis 222; vegrandis 222; watsonii 222; xestosperma 222
 Helenium amarum 330, 332; var. badium 330; tenuifolium 330
 Helianthus canadense 112
 Heliotropium tenellum 20
 Hesperis matronalis 49, 54, 348
 Heterospermum pinnatum 123, 127
 Heterostyly and Homostyly in Lithospermum canescens (Boraginaceae) 229
 Heterotheca inuloides var. rosei 343, 344; latifolia 245, 246; subaxillaris 243, 244, 245, 246; var. petiolaris 243, 244, 245; var. procumbens 244, 245
 Heuchera americana 50, 53
 Hieracium gronovii 146; robustum 272
 Hill, A. F., Eaton, R. J. and Bean, R. C., Corrections in Reports of the Committee on Plant Distribution 348; Fourteenth Report of the Committee on Plant Distribution 47
 Hodgdon, A. R. and Pike, R., An Ecological Interpretation of Rhododendron Colonies in Maine and New Hampshire 61; Rhododendron maximum in Hopkinton and Harrisville, New Hampshire 26

- Homalocenchrus lenticularis* 137
Hordeum pusillum 41; *montanense* 41
Houstonia arenaria 217, 218, 219, 220, 221; *asperuloides* 217, 218, 219, 220; *australis* 220, 222; *boscii* 220; *brandegeana* 221; *brevipes* 217, 218, 219, 221; *callitrichoides* 218, 219; *corymbosa* 217, 219; *crassifolia* 218, 219; *croftiae* 220; *drymarioides* 221; *gracilentia* 217, 218, 219, 220, 222; *gracilis* 221; *greenei* 217, 219; *greenmanii* 220; *herbacea* 219; *intricata* 220; *longipes* 222; *microtheca* 217, 218, 219, 220; *mucronata* 220; *mullerae* 218, 219; *palmeri* 222; *parvula* 222; *peninsularis* 217, 219, 222; *pringlei* 219, 220; *prostrata* 222; *purpurea* 217; *salina* 222; *saxatilis* 217, 218, 219; *serpyllacea* 218, 219, 220; *subviscosa* 220; *umbratilis* 217, 218, 219, 222; *uniflora* 220; *watsonii* 217, 219, 220; *wrightii* 218, 219; *xestoperma* 220
Houstonia and *Oldenlandia* under *Medyotis*, Merger of the North American 217
Hyalotileca dissiliens 279; *undulata* 279
Hybrid Aspens in the Lower Peninsula of Michigan 311
Hydrangea paniculata 50, 54; *quercifolia* 50, 55; *radiata* 50, 55
Hydrochloa caroliniensis 256
Hymenoxys insignis 123, 128; *odorata* 123, 125, 128
Hypericum androsaemum 12; *buckleyi* 13; *cistifolium* 13; *edisonianum* 15; *ellipticum* 11; *filicaule* 12; *galioides* 11; *humifusum* 12; *hypericoides* 15; *kiboenae* 12; *lobocarpum* 20; *macrosepalum* 12; *microsepalum* 15; *myrtifolium* 11, 13; *perforatum* 13; *punctatum* 13; *stans* 15; *stragulum* 15; *suffructicosum* 15; *tetrapetalum* 15
Iberis amara 49, 55; *umbellata* 49, 55
Ilex verticillata 66
Illinois, A Decade of Botanizing in 19; *Eragrostis curvula* from 148
Impatiens capensis 289
Important Notice to Members, Subscribers and Librarians, back cover
Index to Volume 63, 350
Indigofera cf. *truxillensis* 18
Indispensable Manual of Tropical Marine Botany, An (Review) 57
Introgression of *Alnus serrulata* and *Alnus rugosa* 297
Irwin, H. S. and Turner, B. L., Chromosome Numbers of Some Brazilian Leguminosae 16
Isoetes butleri 20, 146
Johnston, M. C., A New Species of *Haplopappus* from Mexico 177
Jones, F. B., A New *Zephyranthes* from Southern Texas 214
Juglans cinerea 295; *illinoensis* 296
Juncus diffusissimus 20; *gerardi* 42; *secundus* 20
Juniperus horizontalis 348; *virginiana* 40
Jussiaea leptocarpa 20
Kalmia angustifolia 66; *latifolia* 28, 66, 67
Kansas, New Plant Records from 146
Keeria linearifolia 152, 158
Kirchneriella lunaris 277; *obesa*

- var. *major* 277; *subsolitaria* 277
- Kral, R., Omissions in Key to *Xyris* in Florida 205
- Kucera, C. L. and Steyermark, A. J., New Combinations in Grasses 24
- Lactuca saligna* 147; *f. ruppiana* 148
- Lamb, I. M., An Indispensable Manual of Tropical Marine Botany (Review) 57
- Lagynion* (? *ampullaceum*) 280
- Lamium amplexicaule* 289
- Lappula redowskii* var. *cupulata* 44; var. *occidentalis* 44
- Larix laricina* 284
- Lathyrus japonicus* var. *glaber* 288
- Lechea cernua* 1061 108, 114, 117; *Deckertii* 107, 108, 110, 111, 113; *divaricata* 105, 108, 110, 111; *exserta* 13; *Leggettii* 103, 107, 108, 114, 115; var. *ramosissima* 115; *major* 112; *maritima* 112, 116; *minor* 106, 108, 111, 112; *myriophylla* 113, 114; *patula* 106, 108, 110, 111, 113; *prismatica* 113; *racemulosa* 104, 106, 107, 108, 109, 114; *san-sabeana* 104, 117; *tenuifolia* 104, 106, 108, 110, 111; var. *occidentalis* 110; var. *tenuifolia* 110; *Torreyi* 103, 107, 108, 114, 116; var. *congesta* 116; var. *Torreyi* 116; *tripetala* 103, 105; *villosa* 104, 105, 107, 108, 109, 110, 111, 112, 115; var. *macrotheca* 107; var. *Schaffneri* 107; var. *typica* 107; var. *villosa* 107, 109
- Leersia lenticularis* 137; *virginica* 137
- LeMaire, R. J., A Range Extension for *Parapholis incurva* 176
- Lemna valdiviana* 20.
- Lepidium campestrae* 49, 54; *densiflorum* 49, 54, 146; *latifolium* 49, 55; *perfoliatum* 49, 55; *ruderales* 49, 54; *sativum* 49, 54; *virginicum* 49, 51, 177
- Leptochloa attenuata* 26; *fascicularis* 134; *filiformis* 26; var. *attenuata* 26; var. *filiformis* 26
- Leptoloma cognatum* 135
- Lesser Antillean Ferns, Notes on 31
- Lewis, W. H., Merger of the North American *Houstonia* and *Oldenlandia* under *Hedyotis* 217
- Lilaeopsis chinenses* 252
- Lilium longiflorum* 274; *superbum* 307; *f. plenum* 307
- Linaria canadensis* 45; *dalmatica* 45
- Lincoln, A. Jr., A Notable Assemblage of Plants in New Hampshire 294
- Lindera Benzoin* 66
- Lindsaea lobata* 72
- Linnaea borealis* 45; var. *americana* 66
- Liparis lilifolia* 175
- Lipocarpha maculata* 21
- Liquidamber styraciflua* 51, 53
- Liriodendron tulipifera* 67
- Lithospermum angustifolium* 234; *canescens* 229, 230, 231, 233, 234; *decumbens* 230; *incisum* 232, 233, 234; *longiflorum* 232, 234; *tournefortii* 230
- Lithospermum canescens* (Boraginaceae), *Heterostyly* and *Homostyly* in 229
- Lobelia boykinii* 236
- Lobularia maritima* 49, 54
- Long, R. W., A New Manual for Ohio Vascular Plants (Review) 55
- Lonicera canadensis* 66; *Xylosteum* 119

- Löve, A., Some Notes on *Myriophyllum spicatum* 139
- Löve, D., A Useful Multilingual Botanical Dictionary (Review) 291
- Lunaria annua 49, 55
- Lycopus americanus 289
- Lycopodium flabelliforme 21
- Lycopsis arvensis 44
- Lyngbya aerugineo-coerulea 281
- Lyonia ligustrina 66
- Machaeranthera blephariphylla 124; gymnocephala 124, 125, 127; tanacetifolia 122, 127
- MacKeever, F. C., An Albino Fruited Form of *Gaultheria procumbens* 346; A Variegated Foliage Form of *Commelina* 88
- Macleaya cordata 47, 55
- Maine and New Hampshire, An Ecological Interpretation of *Rhododendron* Colonies in 61
- Malcolmia maritima 49, 55
- Malva rotundifolia 289
- Marssoniella elegans 280
- Massachusetts, A List of Algae from Selected Areas in 275; Notes on the Flora of Penikese Island 149
- McGregor, R. L., Harms, V. L., and Poindexter, J. D., New Plant Records from Kansas 146
- Melampodium montanum 128
- Melosira sculpta 280; varians 280
- Mentzelia albescens 118, 119, 147; Wrightii 118
- Mentzelia albescens and Lonicera Xylosteum in Missouri 118
- Menyanthes trifoliata 44
- Merger of the North American Houstonia and Oldenlandia under Hedyotis 217
- Meridion circulare 280; intermedium 280
- Merismopedia glauca 280; tenuissima 280
- Mexican and Guatemalan Species, Chromosome Numbers in the Compositae. V. 121
- Mexico, A New Species of *Haplopappus* from 177
- Michigan, *Bidens connata* var. *gracilipes* Fern. in Western 145; Hybrid Aspens in the Lower Peninsula of 311
- Micrasterias americana 279; laticeps 279; mahabuleswarensis 279; pinnatifida 279; radiata 279; sol 279; truncata 279
- Microcystis aeruginosa 280; incerta 280
- Microspora tumidula 276
- Mimulus guttatus 45
- Mirabilis albida 43, 330, 332; var. lata 330; hirsuta 43; linearis 43
- Mississippi, A Disjunct Community of Chestnut Oak in 324
- Missouri, *Mentzelia albescens* and *Lonicera Xylosteum* in 118
- Mitella diphylla 50, 53; nuda 50, 52; prostrata 50, 53, 54
- Mohlenbrock, R. H., A Decade of Botanizing in Illinois 19
- Mollugo verticillata 226
- Mougeotia scalaris 278
- Moul, E. T., Notes on the Flora of Penikese Island, Massachusetts 149
- Muhlenbergia curtisetosa 25; cuspidata 137; mexicana f. ambigua 135; Schreberi 25; Schreberi curtisetosa 25; var. curtisetosa 25; sobolifera 137; tenuiflora 137
- Mühling, G. N. and Wilson, G. B., The Chromosomes of *Podophyllum peltatum* 267
- Myosurus aristatus 43; minimus 146

- Myriophyllum alterniflorum* 140, 141; *exallescens* 140, 141, 142, 143; var. *magdalenense* 143; *magdalenense* 143; *spicatum* 140, 141, 142, 143, 144; *tenellum* 140; *verticillatum* 44, 140
Myriophyllum spicatum, Some Notes on 139
Najas guadalupensis 251
Nasturtium brevipes 9; *curvisiliqua* 3; *officinale* 49, 54; var. *microphyllum* 49, 54; var. *siifolium* 49, 55; *palustre* var. *brevipes* 9; *portoricensis* 9; *sinuatum* 2; *tanacetifolium* 6, 9; var. *insularum* 9; *trachycarpum* 1, 2
Navarretia propinqua 44
Navicula diaphala 280
Nemopanthus mucronata 66, 68, 284
Nephrocytium agardhianum 277; *obesum* 277
Nephrodium invisum 34
Nephrolepis biserrata 32; *davallioides* (var. ?) *furcans* 32; *exaltata* var. *monstruosa* 32; *falcata* 32; f. *furcans* 32
Neslia paniculata 49, 54
Netrium (? *oblongum*) 278; *digitus* 278; var. *constrictum* 278
New Combinations in Grasses 24
New Hampshire, An Ecological Interpretation of *Rhododendron* Colonies in Maine and 61; Further Notes on *Chamaecyparis thyoides* in 281; A Notable Assemblage of Plants in 294; *Rhododendron maximum* in Hopkinton and Har-
 risville, 26
New Jersey, A New Species of *Panicum* from 235
New Manual for Ohio Vascular Plants, A (Review) 55
New Name for the Puberulent
 Sessile-leaved *Uvularia*, A 36
New Plant Records from Kansas 146
New Records from North Dakota 39
New Species of *Haplopappus* from Mexico, A 177
New Species of *Panicum* from New Jersey, A 235
New Variety of *Rudbeckia fulgida*, A 119
New *Zephyranthes* from Southern Texas, A 214
Nicolletia edwardsii 123, 125, 128
North America, A Weedy Crucifer Again Reaches 345
North American *Houstonia* and *Oldenlandia* under *Hedyotis*, Merger of the 217
North Dakota, New Records for 39
Notable Assemblage of Plants in New Hampshire, A 294
Notholaena affinis 81; *angusta* Plate 1257, 80, 81; *aurea* 82; *brachypus* 82, 83; *cantangensis* Plate 1257, 81, 82, 83; *cubensis* 81; *dealbata* 85, 86; *Ekmanii* 81; *Hassleri* 82, 83; *limitanea* 85; *nivea* 85; *obducta* 87; *peruviana* 87; *Schaffneri* 80, 81; *sinuata* 82; *solitaria* 82, 83, Plate 1258; *Stuebeliana* 83, Plate 1258, 85
Nyssa sylvatica 65, 68
Oakesia puberula 36, 39; *sessilifolia* var. (?) *nitida* 36, 39
Oakesiella nitida 37, 39; *puberula* 37, 39
Observations on the *Sagittaria subulata* Complex 247
Oedogonium bosci 277; *gracilius* 277; *reinschii* 277; *subsexangulare* 277
Oenothera caespitosa 41; *humifusa* 177; *rhombifolia* 44; *strigosa* 44

- Ohio Vascular Plants, A New Manual for (Review) 55
- Oklahoma, *Draba aprica* in 223
- Oldenlandia affinis* 220; *benguilensis* 218; *callitrichoides* 222; *capillipes* 222; *cryptocarpa* 221; *divaricata* 218; *eludens* 220; *greenei* 222; *hymenophylla* 221; *juncoides* 220; *luzuloides* 218; *micrantha* 218; *ovata* 222; *pringlei* 222; *sepaneoides* 221; *somala* 220; *staelioides* 220; *umbellata* 220; *verticillata* 220; *xestosperma* 222
- * *Oldenlandia* under *Hedyotis*, Merger of the North American *Houstonia* and 217
- Oleandra articulata* 336, 338; *Bradei* 336, 338; *costaricensis* 336, 338, 340; *decurrens* 336, 337, 339, 340; *guatemalensis* 337, 340; *nodosa* 336; var. *caudata* 338; *panamensis* 337, 340; *trinitensis* 340; var. *subcostaricensis* 340
- Onoclea sensibilis* 40
- Ontario, Two New Orchid Records for 175
- Onychonema filiforme* 279
- Oocystis crassa* 277; *elliptica* 277; *solitaria* 277
- Ophiocytium capitatum* 279; *parvulum* 279
- Opuntia polycantha* 41
- Orchis purpurella* 176
- Oryzopsis asperifolia* 137, 285, 286; *melanocarpa* 287; *pungens* 286; *racemosa* 137, 287
- Oryzopsis*, Which Side is Up? A Look at the Leaves of 285
- Oscillatoria* 280
- Ostrya virginiana* 65
- Oxalis corniculata* 288; *montana* 288
- Oxydenia attenuata* 26
- Palmer, E. J., *Mentzelia albens* and *Lonicera Xylosteum* in Missouri 118
- Pandorina morum* 276
- Panicum clandestinum* 135; *diotomiflorum* 136; var. *puritanorum* 135, 136; *hirstii* 236; *roanokense* 236; *spretum* 235
- Papaver dubium* 47, 55; *Rhoeas* 47, 54; *somniferum* 47, 54
- Parapholis incurva* 176
- Paricutin Volcano in 1960, Vascular Plants on the Cinder Cone of 340
- Parnassia glauca* 50, 51, 53
- Paspalum dissectum* 236
- Pease, A. S., Campanular Persistence 29
- Pecan, The Specific Epithet of the 296
- Pediastrum* 277
- Pellaea dealbata* var. *Stuebeliana* 83, 85; *Stuebeliana* 83; *ternifolia* 341; var. *ternifolia* 341
- Penium* (? *closteroides*) 278; *navicula* 278
- Penstemon alluviorum* 20; *arkansanus* 20
- Penthorum sedoides* 50, 52
- Perdue, R. E. Jr., A New Variety of *Rudbeckia fulgida* 119
- Periandra mediterranea* 18; var. *mucronata* 17, 18
- Peridinium cinctum* 280
- Perymenium mendezii* 128
- Petasites palmatus* 45
- Philadelphus coronarius* 50, 55; *inodorus* 50, 54; *pubescens* 50, 55
- Phormidium inundatum* 281; *retzii* 281
- Physocarpus opulifolius* var. *intermedius* 146
- Phytolacca icosandra* 342, 344
- Picea mariana* 284, 288; *rubens* 65, 68, 69

- Pike, R. and Hodgdon, A. R., An Ecological Interpretation of Rhododendron Colonies in Maine and New Hampshire 61; Rhododendron maximum in Hopkinton and Harrisville, New Hampshire 26
- Pilea opaca 21; fontana 20, 42
- Pinus montezumae ? 343; resinosa 65; strobilus 65, 68; Strobilus 288; sylvestris 150
- Pityogramma calomelanos 343; tartarea 341, 344
- Plantago rugelii 289
- Platanus occidentalis 51, 52
- Platyzoma microphyllum 92, 96
- Pleurotaenium coronatum 278; maximum 278; trabecula 278
- Poa fendleriana 41; palustris 136
- Podophyllum perlatum 267, 268, 271, 273, 274
- Podostemum ceratophyllum 50, 51, 53, 54
- Poindexter, J. D., McGregor, R. L., and Harms, V. L., New Plant Records from Kansas 146
- Polanisia graveolens 43, 47, 53; trachysperma 43
- Polygonatum biflorum 20; pubescens 295
- Polygonum aviculare 288; Convolvulus 288; douglasii 42; orientale 288; Persicaria 288; scandens 288
- Polypodium antrictuosum 35; cultratum 35; excelsum 34; induens 35; imbriciforme 35; knowltoniorum 35; mollissimum 35; pendulum 35; sericeolanatum 35; sericula 35; taxifolium 35; tenuicolum 35; virginianum 46
- Populus acuminata 42; alba 150, 318, 319, 320, 321; P. alba x grandidentata 318, 321, 322; x tremuloides 318, 322; x P. tremuloides 318; deltoides 150; grandidentata 65, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320; P. grandidentata x tremuloides 312, 321, 322; x P. tremuloides 312, 315, 317, 319; tremula 141; tremuloides 65, 141, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321
- Porophyllum amplexicaule 123, 128
- Portulaca oleracea 288
- Potamogeton friesii 40; illinoensis 251; perfoliatus 40; richardsonii 40
- Potentilla palustris 43
- Proctor, G. R., Notes on Lesser Antillean Ferns 31
- Prunus mexicana 20; pennsylvanica 65; serotina 65, 288; virginiana 295
- Psilostrophe gnaphaloides 128
- Pteris pensylvanica 40
- Pteridium aquilinum var. feei 343
- Pteris altissima 196, 202, 203; baurita 195, 200, 203; coriacea 199; costaricensis 200; cretica 195, 196, 197; grandifolia 195, 196, 197, 205; Killipii 86; Kuhnzeana 202; Lechleri 86; livida 195, 201, 203; longicaudata 205; macrodictya 205; mollis 199; muricata 195, 199, 201; muricella 195, 197, 199, 201; navarensis 205; paucinervata 195, 196, 197, 198, podophylla 196, 203, 204, 205; prolifera 205; propinqua 195, 200, 203; pungens 195, 197, 198, 205; quadriaurita 195, 198, 201, 205; tripartita 196, 203, 204; vestita 86
- Puccinellia cusickii 41
- Pyrethrum Bonplandianum 152, 156
- Pyrus floribunda 66

- Quadrigula lacustris* 277
- Quercus alba* 65, 66, 67; *coccinea* 65; *michauxii* 325; *Prinus* 65, 67, 68, 324, 325; *rubra* 65, 68; *velutina* 65, 67
- Range Extension for *Parapholis incurva*, A 176
- Ranunculus ficaria* 289, 290; var. *bulbifera* 289, 291; var. *fertilis* 289; var. *ficaria* 289, 291; *harveyi* 20
- Raphanus Raphanistrum* 49, 54, 149, 345; *sativus* 49, 54
- Rapistrum rugosum* 49, 55
- Re-evaluation of the Generic Status of *Ascyrum* and *Crookea* (Guttiferae), A 10
- Reseda alba* 50, 54; *lutea* 50, 54; *Luteola* 50, 55; *odorata* 50, 55
- Rhizoclonium hieroglyphicum* 276
- Rhode Island, A Fern New to 46
- Rhododendron maximum* 26, 27, 61, 62, 63, 64, 65, 66, 68, 69, 70
- Rhododendron maximum* in Hopkinton and Harrisville, New Hampshire 26
- Rhus copallina* 150; *radicans* 66
- Rhyncosinapis cheiranthos* 346; *erucastrum* 345
- Ribes americanum* 50, 52; *cynosbati* 50, 53, 54, 348; *glandulosum* 50, 52; *Grossularia* 50, 54; *hirtellum* 43, 50, 52, 348; var. *callicola* 50, 53; var. *saxosum* 50, 53, 54; *lacustre* 51, 52; *missouriense* 51; *nigrum* 51, 54; *odoratum* 51, 54; *rotundifolium* 51, 53, 54, 348; *sativum* 51, 54; *triste* 51, 52
- Roberts, E. G., A Disjunct Community of Chestnut Oak in Mississippi 324
- Robson, N. K. B. and Adams, W. P., A Re-evaluation of the Generic Status of *Ascyrum* and *Crookea* (Guttiferae) 10
- Rock, H. F. L., Turner B. L., and Beaman, J. H., Chromosome Numbers in the Compositae. V. Mexican and Guatemalan Species 121
- Rollins, R. C., *Draba aprica* in Oklahoma 223; Notes on American *Rorippa* (Cruciferae) 1; A Weedy Crucifer Again Reaches North America 345
- Roots and the Taxonomic Differences between *Botrychium oneidense* and *B. dissectum* 164
- Rorippa amphibia* 49, 55; *curvisiliqua* 3; *islandica* 49, 53, 54; var. *Fernaldiana* 49, 51; var. *hispida* 49, 52; *portoricensis* 9; *ramosa* 4, 5, 6; *sessiliflora* 49, 55; *sinuata* 1, 2, 3, 4, 6, 7; *sylvestris* 49, 54; *Walteri* 6, 7, 8, 9
- Rorippa* (Cruciferae), Notes on American 1
- Rubus alumnus* 20; *enslenii* 21; *laciniatus* 149
- Rudbeckia bicolor* 20; *fulgida* var. *auriculata* 119; var. *fulgida* 120; var. *spathulata* 120; *grandiflora* 148; *subtomentosa* 148
- Ruellia caroliniensis* 20
- Rumex domesticus* 42; *steno-phyllus* 42
- Ruppia occidentalis* 40
- Saffordia induta* 37
- Sagina decumbens* 146
- Sagittaria filiformis* 247; *graminea* 265; *kurziana* 247, 248, 249, 250, 251, 252, 253, 255, 260, 261, 262, 263, 264; *lorata* 237; *natans* 247, 248, 254, 264; *sagittifolia* 249; *stagnorum* 247, 248, 254, 256, 257, 258, 259, 260, 261, 262, 263, 264,

- 265; subulata 247, 248, 250, 252, 253, 261, 262, 263, 264, 265; var. gracillima 247, 253, 263, 264, 265; subulata var. lorata 247; var. natans 247; var. typica 247
- Sagittaria subulata Complex, Observations on the 247
- Salicornia europaea 288
- Salix Bebbiana 66; hartwegii 341, 343, 344
- Salsola collina 42; kali 288
- Sambucus canadensis 45, 150; pubens 66
- Sanguinaria canadensis 47, 52, 295
- Sanicula gregaria 44
- Sanvitalia ocyroides 128; procumbens 128
- Sarracenia purpurea 50, 51
- Sassafras albidum 66
- Saururus cernuus 146
- Saxifraga aizoides 51, 52; Aizoon 51, 52; var. neogaea 51; oppositifolia 51, 52; pennsylvanica 51, 52; rivularis 51, 52; stellaris var. comosa 51, 52; virginensis 51, 52
- Scamman, E., The Genus Olean-
dra of Costa Rica 335; The
Genus Pteris of Costa Rica
194
- Scenedesmus 277-278
- Schizaea confusa 99; fistulosa
99; melanesica 99; papuana
99; pusilla 99
- Schuyler, A. E., Evidence for the
Hybrid Origin of Scirpus
peckii 237
- Scirpus atrocinctus 237, 238, 239,
240, 241, 242; atrovirens 237,
238, 239, 240, 241; cyperinus
238; koilolepis 20, 146; longii
238; peckii 237, 238, 239, 240,
241, 242; pedicellatus 237, 238,
239, 240, 241
- Scleria reticularis 21
- Second Station for Stewartia
ovata on the Coastal Plain, A
206
- Sedum acre 50, 54; alboroseum
50, 55; anopetalum 50, 55;
purpureum 50, 54; Rosea 50,
52; rupestre 50, 55; sarmen-
tosum 50, 55; spurium 50, 55;
Telephium 50, 55; ternatum
50, 53
- Seedling Collection, A Check
List of Walter Deane's 287
- Selenastrum minutum 277
- Sempervivum tectorum 50, 54
- Senecio resedifolius 125; san-
guisorbæ 125, 129; toluccanus
123, 125, 129; cf. cyclophyllus
123, 125, 129
- Setaria glauca 136; lutescens
136
- Sherardia orientalis 45
- Sherff E. E., Bidens connata var.
gracilipes Fern. in Western
Michigan 145
- Shinners, L. H., Viola Rafines-
quii: Nomenclature and Native
Status 327
- Silene Cucullata 288
- Sisymbrium altissimum 49, 54;
curvisiliqua 3; curvisiliquum
3; Loeselii 49, 54; officinale 49,
54; var. leiocarpum 50, 54,
288; orientale 50, 55; tanaceti-
folium 7; Walteri 6, 7
- Sisyrinchium pruinatum 147;
varians 147
- Smilacina racemosa 295; stellata
308, 309
- Smilax herbacea 20
- Solanum dulcamara 45; interius
44; tuberosum 274
- Solbrig, C. T., Synopsis of the
Genus Xanthocephalum (Com-
positae) 151
- Solidago boottii 20; buckleyi 20;
rugosa 20; sempervirens 289;
var. mexicana 177; strigosa
20; uliginosa 21
- Sonchus oleraceus 177, 343, 344

- Sorastrum americanum* 277; var. *undulatum* 277; *spinulosum* 277
Sparganium chlorocarpum 40; *multipedunculatum* 40
 Specific Epithet of the Pecan, The 296
Spergularia marina 288
Sphaerosoma excavatum 279; *filiforme* 279; *granulatum* 279
Spigogyra hyalina 278; *rivularis* 278
Spirulina laxa 280
Spirotaenia condensata 278
Spondylium papillosum 279; *planum* 279; *pulchellum* 279; *pulchrum* 279
 Spore Studies in the Genus *Cystopteris*. I. The Distribution of *Cystopteris* with Non-spiny Spores in North America 181
Sporobolus airoides 41; *asper* 25, 136; var. *canovirens* 25; *brevifolius* 137; *canovirens* 25; *clandestinus* 25, 137; var. *canovirens* 25; var. *clandestinus* 25; *confusus* 341, 344; *neglectus* 25, 331; var. *neglectus* 25; var. *ozarkanus* 25; *vaginiflorus* 25, 137; var. *inaequalis* 331; var. *ozarkanus* 25; *virginicus* 137
Staurostrum 279
Stauroneis inflata 280
 Steele, F. L., Introgression of *Alnus serrulata* and *Alnus rugosa* 297
Stellaria media 288
Stephanomeria tenuifolia 45
 Stevens, O. A., New Records for North Dakota 39
Stewartia ovata 206
 Steyermark, J. A. and Kucera, C. L., New Combinations in Grasses 24
Stigeoglossum aestivale 276; (*glomeratum* or *subsecundum*) 276; *lubricum* 276; *tenuis* 276
Stigonema mamillosum 281
Streptanthus squamiformis 224
Streptopus roseus var. *perspectus* 295
Stylites andicola 88; *gemmaefera* 88
Subularia aquatica 50, 52
 Swallen, J. R., A New Species of *Papicum* from New Jersey 235
Synedra acuta 280; *radians* 280; *ulna* 280; var. *biceps* 280; var. *daniea* 280
 Synopsis of the Genus *Xanthcephalum* (Compositae) 151
Tabellaria fenestrata 280; (? var. *asterionelloides*) 280; *flocculosa* 280
Taenitis desvauxii 35
Tagetes lucida 129*
Talinum calycinum 21
Taraxacum kok-saghyz 45; *officinale* 289
 Taxonomic Fern Notes. I. 70
Teesdalia nudicaulis 50, 55
Tetraedron caudatum 277; *minimum* 277; *obesum* 277; *trigonum* 277; *tumidulum* 277
Tetrademus wisconsinense 278
 Texas, A New *Zephyranthes* from Southern 214
Thalictrum dasycarpum var. *hypoglaucum* 331
Thelypteris antillana 33, 34; *germaniana* 33; *hydrophila* 33, 34; *invisa* 34; *musciicola* 33; *oligocarpa* 34
Thlaspi arvense 50, 54
 Thieret, J. W., The Specific Epithet of the Pecan 296
Thuja occidentalis 65
Tiarella cordifolia 51, 52, 288
Tilia americana 295; *glabra* 65
Tillaea aquatica 50, 53
Tipularia discolor 20
Trachelomonas hispida 280

- Trachypteris pinnata* 88
Tradescantia fluminensis 89
Tragopogon pratensis 45
Tribonema bombycinum 279;
 • minus 279
Trichodesmium lacustre 280
Trichomanes fimbriatum 31;
 superbum 31; trigonum var.
 fimbriatum 31
Trifolium repens 288
Trillium cuneatum 20; erectum
 21, 295; pusillum 307; var.
 ozarkanum 307
Triplasis purpurea 134, 136
Triploceras gracile 278
Trochiscia obtusa 277; reticu-
 latis 277
 Tryon, A. F., Some New Aspects
 of the Fern *Platyzoma micro-*
 phyllum 91
 Tryon, R., A Botanical Atlas of
 the Darlish Flora (Review)
 349; Taxonomic Fern Notes.
 I. 70
Tsuga canadensis 65, 66, 67, 68,
 69
 Turner, B. L., Beaman, J. H. and
 Rock, H. F., L., Chromosome
 Numbers in the Compositae.
 V. Mexican and Guatemalan
 Species 121
 Turner, B. L. and Irwin, H. S.,
 Chromosome Numbers of
 some Brazilian Leguminosae
 16
 Two New Orchid Records for
 Ontario 175
Typha angustifolia 40
Ulmus americana 65, 288; pu-
 mila 42
Ulothrix subconstricta 276;
 tenerrima 276; variabilis 276
 Useful Multilingual Botanical
 Dictionary, A (Review) 291
Utricularia intermedia 45
Uvularia caroliniana 39; nitida
 36, 39; perfoliata 38; puberula
 36, 38, 39; var. nitida 37, 39;
 pudica 37, 38, 39; var. nitida
 37, 39; sessilifolia 42, 295;
 sessilifolia nitida 36, 39
Vaccinium angustifolium 66;
 corymbosum 66, 68, 284;
 myrtilloides 66; stamineum
 146
Vagnera stellata 308
 Variance in Herbarium Speci-
 mens Identification and Other
 Considerations Based Upon
 the Preparation of a Local
 Flora 207
 Variegated Foliage Form of
 Commelina, A 88
 Vascular Plants on the Cinder
 Cone of Paricutin Volcano in
 1960 340
Verbesina hypomalaca 123, 124,
 128; serrata 123, 128
Vernonia crinita 21
Veronica peregrina 45
Viburnum alnifolium 66, 68; cas-
 sinoides 66, 68; recognitum 66
Viguiera stenoloba 128
Viola bicolor 327, 329, 334; in-
 cognita 44; Kitaibeliana 327,
 328, 329, 331, 332, 333, 334;
 var. *Machadiana* 332; var.
 Rafinesquii 327; *nephrophylla*
 43; *papilionacea* 43; *pensyl-*
 vanica var. *leiocarpa* 295;
 Rafinesquii 327, 328, 329, 330,
 331, 332, 333, 334; *renifolia*
 295; *rotundifolia* 295; *sarmen-*
 tosa 43; *Selkirkii* 295; *tricolor*
 327; x *Viola bernardi* 43;
 varum 21
Viola Rafinesquii: Nomenclature
 and Native Status 327
Vitis lincecumii 20
 Voss, E. G., Which Side is Up?
 A Look at the Leaves of
 Oryzopsis 285
 Wagner, W. H. Jr., Roots and

- the Taxonomic Differences between *Botrychium oneidense* and *B. dissectum* 164
- Webber, E. E., A List of Algae from Selected Areas in Massachusetts 275
- Weedy Crucifer Again Reaches North America, A 345
- Which Side is Up? A Look at the Leaves of *Oryzopsis* 285
- Wigandia kunthii 342, 343, 344
- Wilbur, R. L., A New Name for the Puberulent Sessile-leaved *Uvularia* 36
- Wilbur, R. L. and Daoud, H. S., The Genus *Lechea* (Cistaceae) in the Southeastern United States 103
- Wilson, G. B. and Mühling, G. N., The Chromosomes of *Podophyllum peltatum* 267
- Winterringer, G. S., *Eragrostis curvula* from Illinois 148
- Wolffiella floridana 20
- Woodsia glabella 181; obtusa 40; oregana 40; var. cathartiana 40
- Xanthidium antilopaeum 279; var. minneapolisense 279; var. polymazum 279
- Xanthocephalum Alamani 158; Benthamianum 153, 156, 162, 163; Bonplandianum 152, 156; centauroides 152, 153, 155, 156; conoideum 161; dentatum 156; gymnospermoides 153, 154, 155, 156, 158, 163; humile 153, 155, 157; linearifolium 153, 154, 156, 157, 163; megaloccephalum 153, 155, 163; seridocarpum 152, 153, 155, 161; suffruticosum 152, 156; Wrightii 153, 154, 156, 160, 163
- Xanthocoma dentata 156; humile 152, 155, 157
- Xerophyllum asphodeloides 308; tenax 308
- Xyris smalliana 205
- Yucca filamentosa 309; Smalliana 309
- Zaluzania coulteri 123, 124, 128
- Zephyranthes pulchella 215, 216; refugiensis 214, 215, 216
- Zinnia angustifolia 123, 128
- Zygnemopsis desmidioides 278



